AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1.   (Original)   A method for intrusion detection, comprising:

receiving at a probe data packets communicated over a first network link;

converting the received data packets into a format suitable for a second network link;

monitoring, by the probe, the received packets to evaluate network performance; and

transmitting, by the probe over a second network link, data-converted packets to an intrusion detection system in communication with the second network link.

2.   (Original)   The method of claim 1 wherein the first network link is a WAN link and the second network link is a LAN.

3.   (Original)   The method of claim 1 wherein the method further comprises receiving, at a probe, data packets communicated over a third network link.

4.   (Original)   The method of claim 3, further comprising the step of aggregating the data packets received over the first network link and the data packets received over the third network link.

5. (Original) The method of claim 1 wherein the first network link operates using at least one HSSI protocol, T1 protocol, E1 protocol, ATM protocol, Packet-Over Sonet/SDH protocol, Frame-DS3 protocol, 1G Ethernet protocol, and 10G Ethernet protocol.

6. (Original) The method of claim 1 wherein the first network link comprises a protocol that encapsulates data traffic.

7. (Original) The method of claim 6 wherein the protocol comprises at least one of MPLS protocol, GMPLS protocol, VLAN (802.1q) protocol, HSSI protocol, T1 protocol, E1 protocol, ATM protocol, Packet-Over Sonet/SDH protocol, Frame-DS3 protocol, 1G Ethernet protocol, and 10G Ethernet protocol.

8. (Currently Amended) The method of claim ~~1~~3, further comprising the step of maintaining, by the probe, an audit trail buffer for forensic analysis.

9. (Original) The method of claim 8 wherein the audit trail buffer comprises a memory for recording monitored packets.

10. (Original) The method of claim 9, wherein the memory records packets from at least one of the first network link and the third network link.

11. (Original) The method of claim 8, further comprising the steps of:

receiving, by the probe, an event notification; and

-4-

upon receipt of the event notification, communicating, by the probe, the current contents of the audit trail buffer.

12. (Original) The method of claim 1, wherein the converting step comprises:

storing received packets in a collection buffer;

stripping header information associated with a protocol of the first network link; and

adding header information associated with a protocol of the second network link.

13. (Original) The method of claim 12, wherein the step of storing comprises storing packets received from at least one of the first network link and a third network link.

14. (Original) The method of claim 12 wherein:

the stripping step further comprises stripping header and checksum information associated with a protocol of the first network link; and

the adding step further comprises adding header and checksum information associated with a protocol of the second network link.

15. (Original) The method of claim 13, the step of stripping comprises stripping at least one of a Layer 2 MAC header, an Ethernet source address, and an Ethernet destination address.

16.   (Original)   The method of claim 1 wherein the method further comprises, prior to transmitting over the second network link, filtering a subset of the received packets.

17.   (Original)   The method of claim 16 wherein the subset of the received packets are management frame packets.

18.   (Original)   The method of claim 16 wherein the first network link comprises ATM protocol, and the filtering step comprises filtering packets comprising at least one of F4 OAM, F5 OAM, Flow Control, a UNI 3.x frame, a UNI 4.0 frame, a PNNI v1.x frames, and an encapsulaton-specific control frame.

19.   (Original)   The method of claim 16 wherein the filtering comprises filtering voice-over-IP packets.

20.   (Original)   The method of claim 16 wherein the filtering further comprises filtering based on predetermined criteria and user-defined criteria.

21.   (Original)   A network performance probe comprising:

    a first network interface for monitoring packets communicated over a first network link;

    a packet converter for converting the monitored data packets into a format suitable for a second network link;

a second network interface for communicating, over a second network link, converted packets to an intrusion detection system in communication with the second network link.

22.   (Original)   The system of claim 21 further comprising a third network interface for monitoring packets communicated over a third network link.

23.   (Original)   The system of claim 22 further comprising an aggregator for aggregating the packets from the first network link and the packets from the third network link.

24.   (Original)   The system of claim 21 wherein the first network link comprises a WAN link and the second network link comprises an Ethernet.

25.   (Original)   The system of claim 21 wherein the first network link operates using at least one HSSI protocol, T1 protocol, E1 protocol, ATM, Packet-Over Sonet/SDH protocol, Frame-DS3 protocol, and 10G Ethernet protocol.

26.   (Original)   The system of claim 21 wherein the first network link comprises a protocol that encapsulates data traffic.

27.   (Original)   The system of claim 26 wherein the protocol comprises at least one of MPLS protocol, GMPLS protocol, VLAN (802.1q) protocol, HSSI protocol,

T1 protocol, E1 protocol, ATM protocol, Packet-Over Sonet/SDH protocol, Frame-DS3 protocol, 1G Ethernet protocol, and 10G Ethernet protocol.

28.   (Original)   The system of claim 21, further comprising a performance analyzer for acquiring network performance data in response to the monitored packets communicated over the first network link.

30.   (Original)   The system of claim 21, wherein at least one of the monitored data packets and the converted packets are directed to permanent storage media for 24x7 Network Surveillance and correlation purposes.

31.   (Original)   The system of claim 30, wherein at least one of the directed monitored data packets and the directed converted packets are read by a software application.

32.   (Original)   The system of claim 29 wherein the audit trail buffer comprises a memory for recording monitored packets for forensic analysis.

33.   (Original)   The system of claim 32, wherein the probe further comprises an event notification receiver for causing the probe, upon receipt of the event notification, to communicate the current contents of the audit trail buffer.

34.   (Original)   The system of claim 21, wherein the converter comprises:

a collection buffer for storing received packets;

a stripper for stripping header information associated with a protocol of the first network link; and

an adder for adding header information associated with a protocol of the second network link.

35. (Original) The system of claim 21 further comprising a filter for filtering a subset of the first network link packets prior to relaying over the second network link.

36. (Original) The system of claim 35 wherein the subset of the received packets are management frame packets.

37. (Original) The system of claim 35 wherein the first network link comprises ATM protocol, and the filter is for filtering packets comprising at least one of F4 OAM, F5 OAM, Flow Control, UNI 3.x frames, UNI 4.0 frames, PNNI v1.x frames, and encapsulation-specific control frames.

38. (Original) The system of claim 35 wherein the subset of the first network link packets comprises voice-over-IP packets.

39. (Original) The system of claim 35 wherein the filtering of the subset of the first network link packets is based at least in part on at least one of predetermined criteria and user-defined criteria.

40.   (Currently Amended)   An article of manufacture comprising a program storage medium having computer readable program code tangibly embodied therein for providing intrusion detection, the computer readable program code in the article of manufacture including:

computer readable code for causing a computer to receive at a probe data packets communicated over a first network link;

computer readable code for causing a computer to convert the received data packets into a format suitable for a second network link;

computer readable code for causing a computer to monitor, via the probe, the received packets to evaluate network performance; and

computer readable code for causing a computer to transmit, via the probe over a second network link, data-converted packets to an intrusion detection system in communication with the second network link, so as to provide intrusion detection.

41.   (Original)   The article of manufacture of claim 40 wherein the program storage medium comprises a data signal embodied in at least one of a carrier wave, a computer magnetic disk, a computer optical disk, a tape, a non-volatile memory, a system memory, and a computer hard drive.

42.   (Original)   A program storage medium readable by a computer, tangibly embodying a program of instructions executable by the computer to perform method steps for providing intrusion detection, the method steps comprising:

receiving at a probe data packets communicated over a first network link;

converting the received data packets into a format suitable for a second network link;

monitoring, by the probe, the received packets to evaluate network performance; and

transmitting, by the probe over a second network link, data-converted packets to an intrusion detection system in communication with the second network link.

43. (Original) The program storage medium of claim 42 further comprising a data signal embodied in at least one of a carrier wave, a computer magnetic disk, a computer optical disk, a tape, a non-volatile memory, a system memory, and a computer hard drive.